

Db 349 PLYANVHHQKGKDEGVVYSVVHRTSKRSEARSAEFTVGRKDSSIICAEVRCLQPSEVSST 408
Qy 421 EVNMRSRTLQEPLSDCEEVLC 441
|||
Db 409 EVNMRSRTLQEPLSDCEEVLC 429

A

RESULT 4 ALIGNMENT #1
ADF74340
ID ADF74340 standard; protein; 419 AA.
XX
AC ADF74340;
XX
DT 26-FEB-2004 (first entry)
XX
DE Human FcRH 6 protein (SeqID 28).
XX
KW Fc receptor homologue; FcRH; human; chromosome 1q21-23;
KW type I transmembrane receptor; immunoglobulin; cellular immunity;
KW haematopoietic cell lineage; inflammatory; autoimmune disease;
KW humoral immune response; antiinflammatory; immunosuppressive.
XX
OS Homo sapiens.
XX
PN WO2003089624-A2.
XX
PD 30-OCT-2003.
XX
PF 25-MAR-2003; 2003WO-US009600.
XX
PR 25-MAR-2002; 2002US-0367667P.
XX
PA (UABR-) UAB RES FOUND.
XX
PI Davis RS, Cooper MD;
XX
DR WPI; 2003-854118/79.
XX
PT New isolated Fc receptor homologue (FcRH) comprising a cytoplasmic,
PT transmembrane and an extracellular region, useful for the diagnosis
PT and/or treatment of hematopoietic cell lineage, inflammatory and
PT autoimmune diseases.
XX
PS Claim 45; SEQ ID NO 28; 135pp; English.
XX
CC This invention relates to novel members of the Fc receptor homologue
CC (FcRH) subfamily mapped to human chromosome 1q21-23, as well as fragments
CC and variants thereof. Specifically, it refers to the type I transmembrane
CC receptors for the Fc region of immunoglobulins and the alternatively
CC spliced homologues, which work to modulate cellular and humoral immunity.
CC The present invention indicates that each FcRH has an extracellular
CC region, a transmembrane region and cytoplasmic region, where the latter

CC comprises one or more immunoreceptor tyrosine-based inhibitory or
CC activation motifs. As such, the methods and compositions described herein
CC are useful for the diagnosis and/ or treatment of haematopoietic cell
CC lineage, inflammatory and autoimmune diseases, as well as in the
CC modulation of a humoral immune response in a subject. Accordingly, these
CC compositions have antiinflammatory and immunosuppressive activities. This
CC polypeptide sequence is the human FcRH6 protein of the invention.

XX

SQ Sequence 419 AA;

Query Match 95.0%; Score 2222; DB 1; Length 419;
Best Local Similarity 100.0%;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 23 KTVWLYLQAWPNPVFEGDALTLRCQGWKNTPLSQVKFYRDGKFLHFSKENQTLGMAATV 82
|||||||

Db 1 KTVWLYLQAWPNPVFEGDALTLRCQGWKNTPLSQVKFYRDGKFLHFSKENQTLGMAATV 60

Qy 83 QSRGQYSCSGQVMYIPQTFTQTSETAMVQVQELFPPPVLSAIPSPEPREGSLVTLRCQTK 142
|||||||

Db 61 QSRGQYSCSGQVMYIPQTFTQTSETAMVQVQELFPPPVLSAIPSPEPREGSLVTLRCQTK 120

Qy 143 LHPLRSALRLLFSFHKGHTLQDRGPHELCIPGAKEGDSGLYWCEVAPEGGQVQKQSPQ 202
|||||||

Db 121 LHPLRSALRLLFSFHKGHTLQDRGPHELCIPGAKEGDSGLYWCEVAPEGGQVQKQSPQ 180

Qy 203 LEVRVQAPVSRPVLTLLHHGPADPAVGDMVQLLCEAQRGSPPILYSFYLDEKIVGNHSAPC 262
|||||||

Db 181 LEVRVQAPVSRPVLTLLHHGPADPAVGDMVQLLCEAQRGSPPILYSFYLDEKIVGNHSAPC 240

Qy 263 GGTTSLFPVKSEQDAGNSCEAENSRSRERSEPKKLSLKGSQVLFTPASNWLVLPWLPS 322
|||||||

Db 241 GGTTSLFPVKSEQDAGNSCEAENSRSRERSEPKKLSLKGSQVLFTPASNWLVLPWLPS 300

Qy 323 LLGLMVIAAALLVYVRSWRKAGPLPSQIPPTAPGGEQCPLYANVHHQKGKDEGVVYSVH 382
|||||||

Db 301 LLGLMVIAAALLVYVRSWRKAGPLPSQIPPTAPGGEQCPLYANVHHQKGKDEGVVYSVH 360

Qy 383 RTSKRSEARSAEFTVGRKDSSIICAEVRLQPSEVSSTEVNMRSLQEPLSDCEEVL 441
|||||||

Db 361 RTSKRSEARSAEFTVGRKDSSIICAEVRLQPSEVSSTEVNMRSLQEPLSDCEEVL 419

RESULT 5

ADQ81888

ID ADQ81888 standard; protein; 413 AA.

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AC ADQ81888;

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DT 15-JUN-2007 (revised)

DT 21-OCT-2004 (first entry)

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